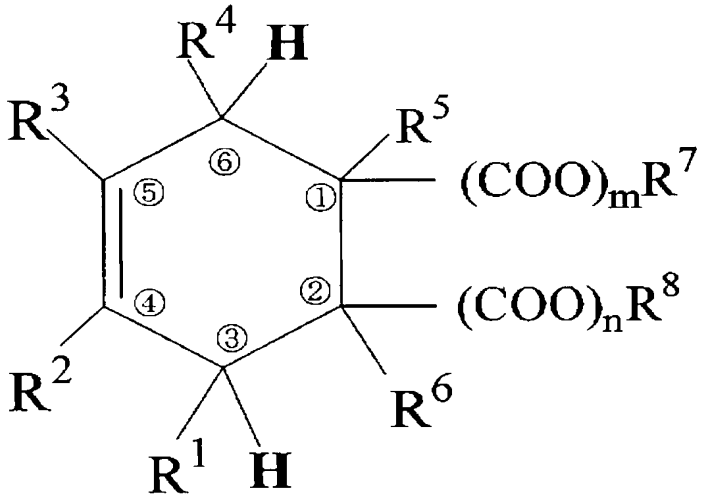
IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A novel cycloalkenylcarboxylic acid represented by the following formula [V] ~~or a novel bicycloalkenylcarboxylic acid represented by the following formula [VI]~~ or a salt thereof:



.... [V]

wherein R^1 is ~~a hydrogen atom,~~ a 3-methyl-2-butenyl group or a 2-methyl-1-propenyl group,

~~when R^1 is a hydrogen atom, R^2 is a 4-methyl-3-pentenyl group and R^3 and R^4 are each a hydrogen atom,~~

when R^1 is a 3-methyl-2-butenyl group, R^2 is a methyl group and R^3 and R^4 are each a hydrogen atom,

when R^1 is a 2-methyl-1-propenyl group, R^2 is a hydrogen atom and R^3 and R^4 are each a methyl group,

R^5 and R^6 are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,

m and n are each a number of 0 or 1 (with the proviso that it does not occur that m and n are 0 at the same time),

R^7 and R^8 are each a hydrogen atom or a hydrocarbon group,

when m is 0, R^7 is a hydrogen atom,

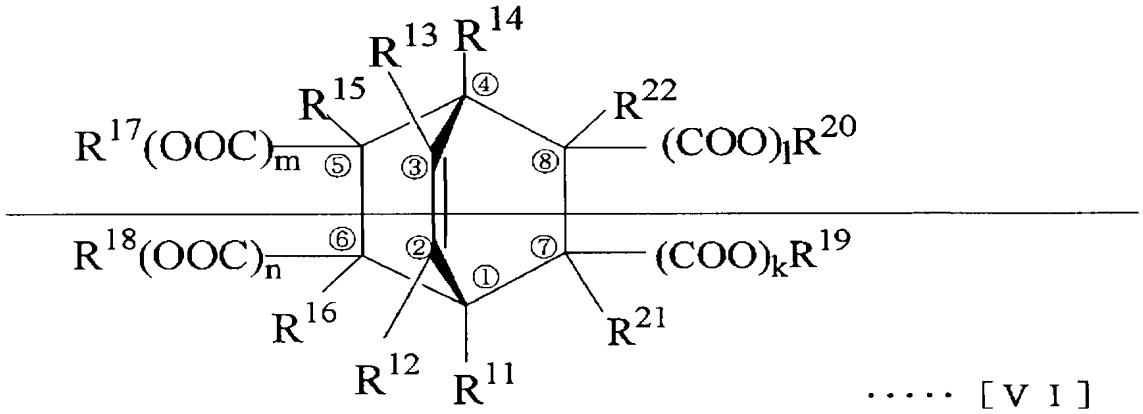
when m is 1, R^7 is a hydrogen atom or a hydrocarbon group,

when n is 0, R^8 is a hydrogen atom, ~~and~~

when n is 1, R^8 is a hydrogen atom or a hydrocarbon group, with the proviso that R^7 and R^8 are not both hydrocarbon groups,

when R^1 is a 2-methyl-1-propenyl group, R^2 is a hydrogen atom, R^3 and R^4 are each a methyl group and m=1, n=0, R^5 is an alkyl group of 1 to 10 carbon atoms, R^6, R^7 and R^8 are each a hydrogen atom, and

when R^1 is a 2-methyl-1-propenyl group, R^2 is a hydrogen atom, R^3 and R^4 are each a methyl group and m=0, n=1, R^6 is an alkyl group of 1 to 10 carbon atoms, R^5, R^7 and R^8 are each a hydrogen atom;



····· [V I]

~~wherein any one of R^{11} and R^{16} is an isopropyl group,~~

~~[A] in the case where R^{11} is an isopropyl group,~~

~~R^{12} and R^{13} are each a hydrogen atom,~~

~~R^{14} is a methyl group,~~

~~R^{15} and R^{16} are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,~~

~~m and n are each a number of 0 or 1 (with the proviso that it does not occur that m and n are 0 at the same time),~~

~~R^{17} and R^{18} are each a hydrogen atom or a hydrocarbon group,~~

~~k and l are each 0,~~

~~R^{19} and R^{20} are each a hydrogen atom,~~

~~R^{21} and R^{22} are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,~~

~~when m is 0, R^{17} is a hydrogen atom,~~

~~when m is 1, R^{17} is a hydrogen atom or a hydrocarbon group,~~

~~when n is 0, R^{18} is a hydrogen atom, and~~

~~when n is 1, R^{18} is a hydrogen atom or a hydrocarbon group, with the proviso that R^{17} and R^{18} are not both hydrocarbon groups, and~~

~~[B] in the case where R^{16} is an isopropyl group,~~

~~R^{11} and R^{12} are each a hydrogen atom,~~

~~R^{13} is a methyl group,~~

~~R^{14} is a hydrogen atom,~~

~~R^{15} is a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,~~

~~m and n are each 0,~~

~~R^{17} and R^{18} are each a hydrogen atom,~~

~~k and l are each a number of 0 or 1 (with the proviso that it does not occur that k and l are 0 at the same time),~~

~~R^{19} and R^{20} are each a hydrogen atom or a hydrocarbon group,~~

~~R^{21} and R^{22} are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,~~

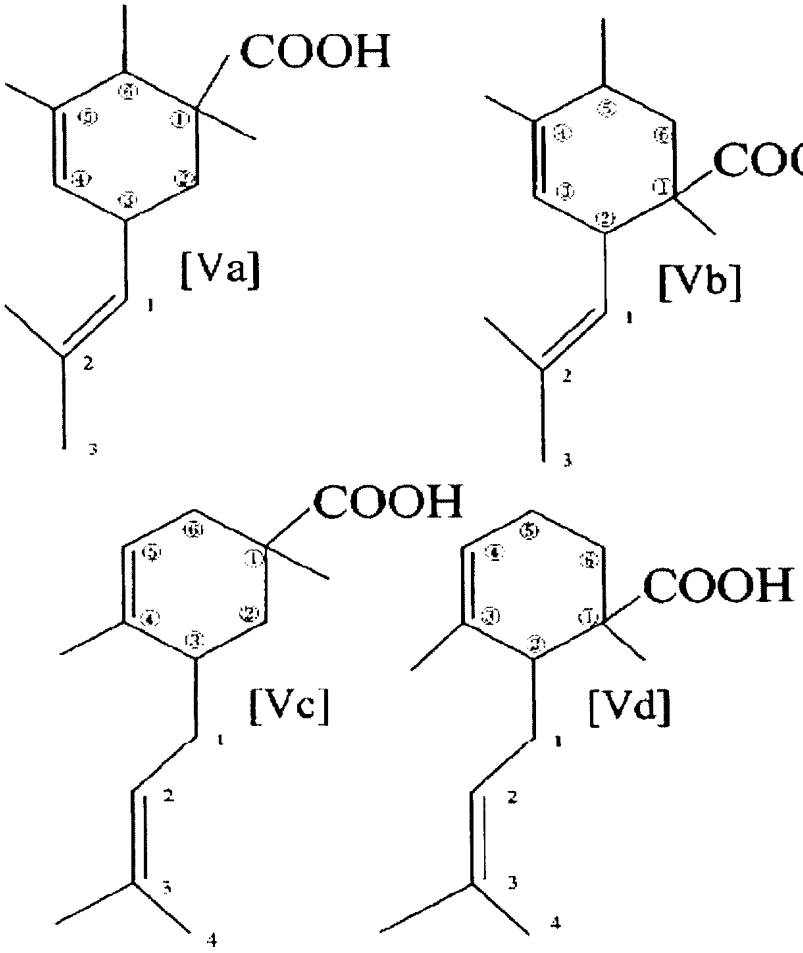
~~when k is 0, R^{19} is a hydrogen atom,~~

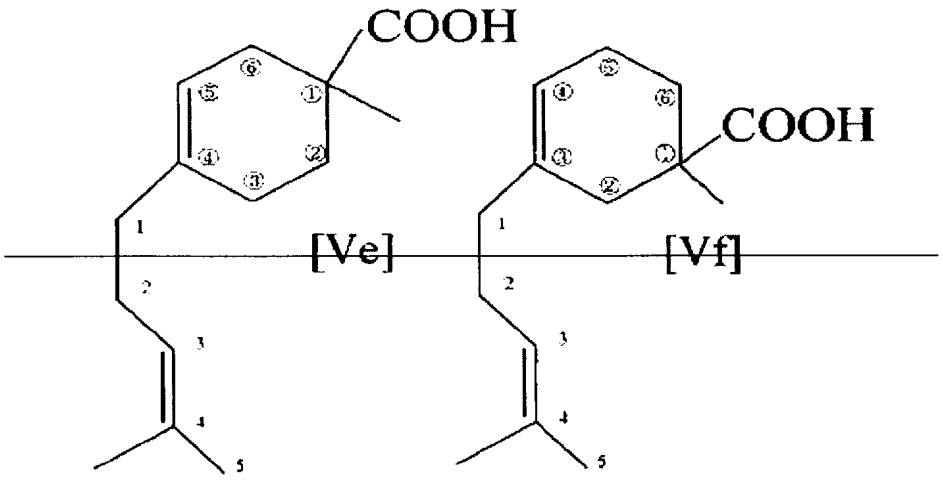
~~when k is 1, R^{19} is a hydrogen atom or a hydrocarbon group,~~

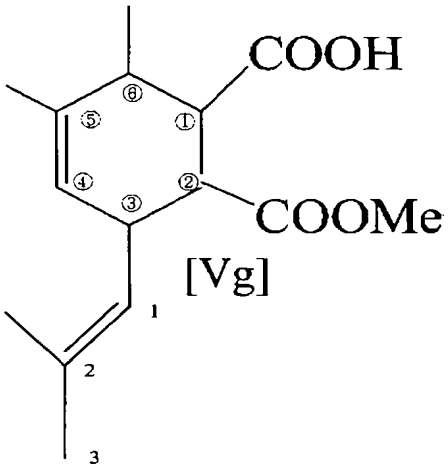
~~when l is 0, R^{20} is a hydrogen atom, and~~

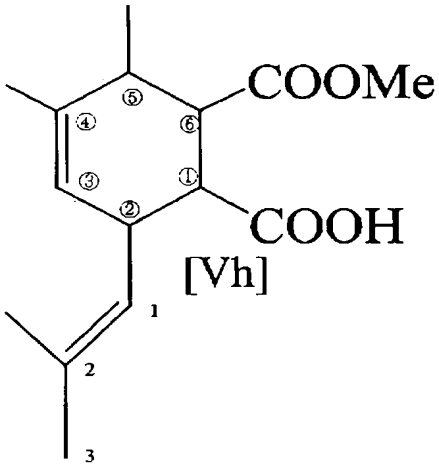
~~when l is 1, R^{20} is a hydrogen atom or a hydrocarbon group, with the proviso that R^{19} and R^{20} are not both hydrocarbon groups~~.

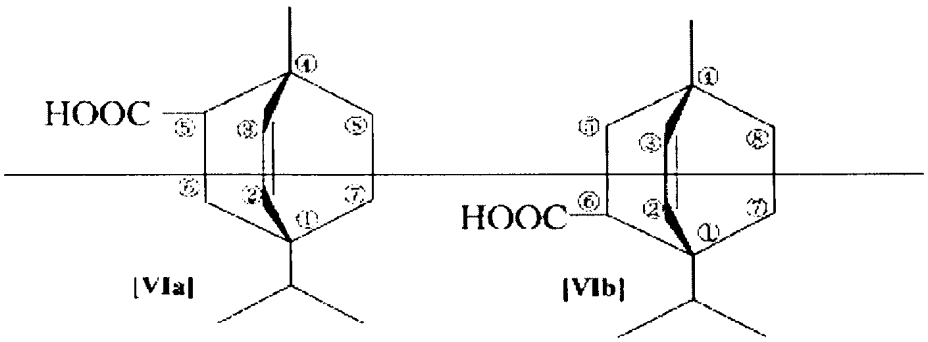
Claim 2 (Currently Amended): The cycloalkenylcarboxylic acid ~~or the bicycloalkenylcarboxylic acid~~ or the salt thereof as claimed in claim 1, wherein the cycloalkenylcarboxylic acid represented by the formula [V] is represented by the following formula [Va], [Vb], [Vc], [Vd], ~~[Ve], [Vf],~~ [Vg] or [Vh], ~~and the bicycloalkenylcarboxylic acid represented by the formula [VI] is represented by the following formula [VIa], [VIb], [VIc] or [VId],~~ in said formulas, a hydrogen atom bonded to a carbon atom being omitted;

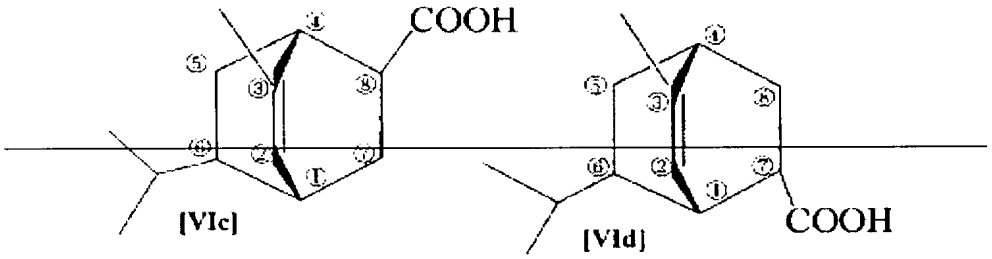



COOH
COOH
[Ve]
[Vf]


COOH
COOMe
[Vg]


COOMe
COOH
[Vh]


HOOC
HOOC
[VIa]
[VIb]



wherein Me is a methyl group.

Claim 3 (Currently Amended): A process for preparing the cycloalkenylcarboxylic acid ~~or the bicycloalkenylcarboxylic acid~~ of claim 1, comprising reacting at least one terpene-based diene compound (conjugated diene compound) selected from the group consisting of alloocimene, ocimene, myrcene, α-terpinene and α-phellandrene and at least one unsaturated carboxylic acid selected from α,β-unsaturated monocarboxylic acids and monoesters of α,β-unsaturated dicarboxylic acids.

Claim 4 (Cancelled)

Claim 5 (Currently Amended): A compounding agent for an antifouling paint comprising one or more substances selected from the group consisting of a cyclic carboxylic acid formed by the addition reaction of an unsaturated carboxylic acid with a conjugated diene compound, a derivative of the cyclic carboxylic acid (except a metal salt), the metal salt of the cyclic carboxylic acid, and the metal salt of a derivative of the cyclic carboxylic acid, wherein the cyclic carboxylic acid is the cycloalkenylcarboxylic acid ~~or the bicycloalkenylcarboxylic acid~~ or the salt thereof of claim 1.

Claim 6 (Currently Amended): An antifouling paint composition comprising:

(A) ~~the~~ a compounding agent for an antifouling paint ~~of claim 4~~, comprising one or more substances selected from the group consisting of a cyclic carboxylic acid formed by the addition reaction of an unsaturated carboxylic acid with a conjugated diene compound, a derivative of the cyclic carboxylic acid (except a metal salt), a metal salt of the cyclic carboxylic acid, and a metal salt of a derivative of the cyclic carboxylic acid, and

(B) a copolymer for a self-polishing antifouling paint.

Claim 7 (Original): The antifouling paint composition as claimed in claim 6, further comprising (C) an antifouling agent.

Claim 8 (Previously Presented): The antifouling paint composition as claimed in claim 7, wherein copper or a copper compound is contained as the antifouling agent (C).

Claim 9 (Previously Presented): The antifouling paint composition as claimed in claim 7, wherein an organic antifouling agent is contained as the antifouling agent (C).

Claim 10 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizable unsaturated carboxylic acid hydroxy metal salt-based copolymer.

Claim 11 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a polymerizable unsaturated carboxylic acid hydroxy metal compound represented by the following formula [I]:

$$R^1\text{-COO-M-OH} \qquad [I]$$

wherein R^1 is an unsaturated bond-containing organic group of $CH_2=C(CH_3)$-, $CH_2=CH$-, HOOC-CH=CH- or HOOC-CH=$C(CH_3)$-, -COOH, or a metal salt or an ester thereof, and M is a metal atom.

Claim 12 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid hydroxy metal salt.

Claim 13 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid hydroxy zinc salt or copper salt.

Claim 14 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizable unsaturated carboxylic acid metal compound-based copolymer derived from a polymerizable unsaturated carboxylic acid metal compound containing no hydroxyl group bonded to a metal atom.

Claim 15 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a polymerizable unsaturated carboxylic acid metal compound represented by the following formula [II]:

$$R^1\text{-COO-M-}L_n \qquad [II]$$

wherein R^1 is an unsaturated bond-containing organic group of $CH_2=C(CH_3)$-, $CH_2=CH$-, HOOC-CH=CH- or HOOC-CH=$C(CH_3)$-, -COOH, or a metal salt or an ester thereof, M is a

metal atom, L is an organic acid residue $-OCOR^2$ wherein R^2 is an alkyl group, a cycloalkyl group, an aromatic hydrocarbon group, or an aralkyl group, and n is a number which is one less than the valence of M.

Claim 16 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid metal compound containing no hydroxyl group bonded to a metal atom.

Claim 17 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid zinc salt or copper salt containing no hydroxyl group bonded to a zinc atom or a copper atom.

Claim 18 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizble unsaturated carboxylic acid metal salt-based copolymer obtained by copolymerizing (a) a (meth)acrylic acid zinc salt or copper salt monomer and (b) another monomer copolymerizable with the monomer (a) and containing constituent units derived from the (meth)acrylic acid zinc salt or copper salt monomer (a) in amounts of 2 to 50% by weight and constituent units derived from the copolymerizable another monomer (b) in amounts of 50 to 98% by weight wherein (a) + (b) = 100% by weight.

Claim 19 (Previously Presented): The antifouling paint composition as claimed in claim 6, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizable unsaturated carboxylic acid silyl ester-based copolymer.

Claim 20 (Previously Presented): The antifouling paint composition as claimed in claim 19, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a silyl unsaturated carboxylate monomer and an unsaturated monomer copolymerizable with the silyl unsaturated carboxylate monomer, said silyl unsaturated carboxylate monomer being represented by the following formula [IIIA]:

$$R^1\text{-}COO\text{-}Si(L^1L^2L^3) \qquad [IIIA]$$

wherein R^1 is an unsaturated bond-containing organic group of $CH_2=C(CH_3)$-, $CH_2=CH$-, HOOC-CH=CH- or HOOC-CH=$C(CH_3)$-, -COOH, or a metal salt or an ester thereof, L^1, L^2 and L^3 may be the same or different and are each independently a hydrogen atom, an alkyl group, a cycloalkyl group, an aromatic hydrocarbon group, an aralkyl group or an alkylsilyloxy group.

Claim 21 (Previously Presented): The antifouling paint composition as claimed in claim 20, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer obtained by copolymerizing silyl (meth)acrylate and an unsaturated monomer copolymerizable with the silyl (meth)acrylate.

Claim 22 (Previously Presented): An antifouling coating film prepared from the antifouling paint composition of claim 6.

Claim 23 (Previously Presented): A ship or an underwater structure coated with a coating film prepared from the antifouling paint composition of claim 6.

Claim 24 (Previously Presented): A fishing tackle or a fishing net coated with a coating film prepared from the antifouling paint composition of claim 6.

Claim 25 (Previously Presented): A method of coating a ship or an underwater structure, comprising coating a surface of a ship or an underwater structure with a coating film comprising the antifouling paint composition of claim 6.

Claim 26 (Previously Presented): A method of coating a fishing tackle or a fishing net, comprising coating a surface of a fishing tackle or a fishing net with a coating film comprising the antifouling paint composition of claim 6.

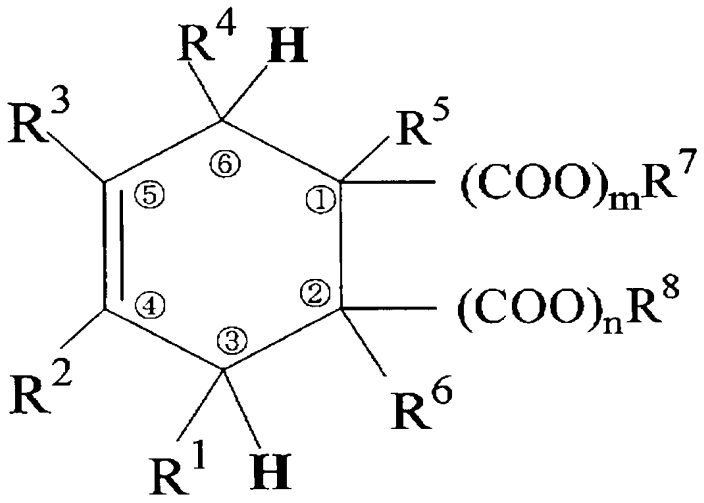
Claim 27 (Previously Presented): The antifouling paint composition as claimed in claim 8, wherein an organic antifouling agent is contained as the antifouling agent (C).

Claim 28 (Previously Presented): The antifouling paint composition as claimed in claim 21, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer obtained by copolymerizing silyl (meth)acrylate and an unsaturated monomer copolymerizable with the silyl (meth)acrylate.

Claim 29 (Currently Amended): An antifouling paint composition comprising:

(A) ~~the~~ a compounding agent for an antifouling paint ~~of claim 5~~ comprising one or more substances selected from the group consisting of a cyclic carboxylic acid formed by the

addition reaction of an unsaturated carboxylic acid with a conjugated diene compound, a derivative of the cyclic carboxylic acid (except a metal salt), the metal salt of the cyclic carboxylic acid, and the metal salt of a derivative of the cyclic carboxylic acid, wherein the cyclic carboxylic acid is a novel cycloalkenylcarboxylic acid represented by the following formula [V] or a novel bicycloalkenylcarboxylic acid represented by the following formula [VI] or a salt thereof:



.... [V]

wherein R^1 is a hydrogen atom, a 3-methyl-2-butenyl group or a 2-methyl-1-propenyl group,

when R^1 is a hydrogen atom, R^2 is a 4-methyl-3-pentenyl group and R^3 and R^4 are each a hydrogen atom,

when R^1 is a 3-methyl-2-butenyl group, R^2 is a methyl group and R^3 and R^4 are each a hydrogen atom,

when R^1 is a 2-methyl-1-propenyl group, R^2 is a hydrogen atom and R^3 and R^4 are each a methyl group,

R^5 and R^6 are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,

m and n are each a number of 0 or 1 (with the proviso that it does not occur that m and n are 0 at the same time),

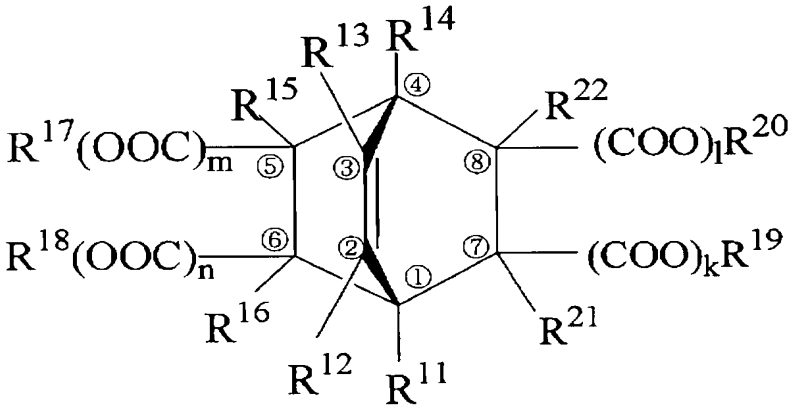
R^7 and R^8 are each a hydrogen atom or a hydrocarbon group,

when m is 0, R^7 is a hydrogen atom,

when m is 1, R^7 is a hydrogen atom or a hydrocarbon group,

when n is 0, R^8 is a hydrogen atom, and

when n is 1, R^8 is a hydrogen atom or a hydrocarbon group, with the proviso that R^7 and R^8 are not both hydrocarbon groups;



..... [VI]

wherein any one of R^{11} and R^{16} is an isopropyl group,

[A] in the case where R^{11} is an isopropyl group,

R^{12} and R^{13} are each a hydrogen atom,

R^{14} is a methyl group,

R^{15} and R^{16} are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,

m and n are each a number of 0 or 1 (with the proviso that it does not occur that m and n are 0 at the same time),

R^{17} and R^{18} are each a hydrogen atom or a hydrocarbon group,

k and l are each 0,

R^{19} and R^{20} are each a hydrogen atom,

R^{21} and R^{22} are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,

when m is 0, R^{17} is a hydrogen atom,

when m is 1, R^{17} is a hydrogen atom or a hydrocarbon group,

when n is 0, R^{18} is a hydrogen atom, and

when n is 1, R^{18} is a hydrogen atom or a hydrocarbon group, with the proviso that R^{17} and R^{18} are not both hydrocarbon groups, and

[B] in the case where R^{16} is an isopropyl group,

R^{11} and R^{12} are each a hydrogen atom,

R^{13} is a methyl group,

R^{14} is a hydrogen atom,

R^{15} is a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,

m and n are each 0,

R^{17} and R^{18} are each a hydrogen atom,

k and l are each a number of 0 or 1 (with the proviso that it does not occur that k and l are 0 at the same time),

R^{19} and R^{20} are each a hydrogen atom or a hydrocarbon group,

R^{21} and R^{22} are each a hydrogen atom or an alkyl group of 1 to 10 carbon atoms,

when k is 0, R^{19} is a hydrogen atom,

when k is 1, R^{19} is a hydrogen atom or a hydrocarbon group,

when l is 0, R^{20} is a hydrogen atom, and

when l is 1, R^{20} is a hydrogen atom or a hydrocarbon group, with the proviso that R^{19} and R^{20} are not both hydrocarbon groups, and

(B) a copolymer for a self-polishing antifouling paint.

Claim 30 (Previously Presented): The antifouling paint composition as claimed in claim 29, further comprising (C) an antifouling agent.

Claim 31 (Previously Presented): The antifouling paint composition as claimed in claim 30, wherein copper or a copper compound is contained as the antifouling agent (C).

Claim 32 (Previously Presented): The antifouling paint composition as claimed in claim 30, wherein an organic antifouling agent is contained as the antifouling agent (C).

Claim 33 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizable unsaturated carboxylic acid hydroxy metal salt-based copolymer.

Claim 34 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a polymerizable unsaturated carboxylic acid hydroxy metal compound represented by the following formula [I]:

$$R^1\text{-COO-M-OH} \qquad [I]$$

wherein R^1 is an unsaturated bond-containing organic group of $CH_2=C(CH_3)$-, $CH_2=CH$-, HOOC-CH=CH- or HOOC-CH=$C(CH_3)$-, -COOH, or a metal salt or an ester thereof, and M is a metal atom.

Claim 35 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid hydroxy metal salt.

Claim 36 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid hydroxy zinc salt or copper salt.

Claim 37 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizable unsaturated carboxylic acid metal compound-based copolymer derived from a polymerizable unsaturated carboxylic acid metal compound containing no hydroxyl group bonded to a metal atom.

Claim 38 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a polymerizable unsaturated carboxylic acid metal compound represented by the following formula [II]:

$$R^1\text{-COO-M-}L_n \qquad [II]$$

wherein R^1 is an unsaturated bond-containing organic group of $CH_2=C(CH_3)$-, $CH_2=CH$-, HOOC-CH=CH- or HOOC-CH=$C(CH_3)$-, -COOH, or a metal salt or an ester thereof, M is a metal atom, L is an organic acid residue $-OCOR^2$ wherein R^2 is an alkyl group, a cycloalkyl group, an aromatic hydrocarbon group, or an aralkyl group, and n is a number which is one less than the valence of M.

Claim 39 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid metal compound containing no hydroxyl group bonded to a metal atom.

Claim 40 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a (meth)acrylic acid zinc salt or copper salt containing no hydroxyl group bonded to a zinc atom or a copper atom.

Claim 41 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizble unsaturated carboxylic acid metal salt-based copolymer obtained by copolymerizing (a) a (meth)acrylic acid zinc salt or copper salt monomer and (b) another monomer copolymerizable with the monomer (a) and containing constituent units derived from the (meth)acrylic acid zinc salt or copper salt monomer (a) in amounts of 2 to 50% by weight and constituent units derived from the copolymerizable another monomer (b) in amounts of 50 to 98% by weight wherein (a) + (b) = 100% by weight.

Claim 42 (Previously Presented): The antifouling paint composition as claimed in claim 29, wherein the copolymer (B) for a self-polishing antifouling paint is a polymerizable unsaturated carboxylic acid silyl ester-based copolymer.

Claim 43 (Previously Presented): The antifouling paint composition as claimed in claim 42, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer derived from a silyl unsaturated carboxylate monomer and an unsaturated monomer copolymerizable with the silyl unsaturated carboxylate monomer, said silyl unsaturated carboxylate monomer being represented by the following formula [IIIA]:

$$R^1\text{-}COO\text{-}Si(L^1L^2L^3) \qquad [IIIA]$$

wherein R^1 is an unsaturated bond-containing organic group of $CH_2=C(CH_3)$-, $CH_2=CH$-, HOOC-CH=CH- or HOOC-CH=$C(CH_3)$-, -COOH, or a metal salt or an ester thereof, L^1, L^2 and L^3 may be the same or different and are each independently a hydrogen atom, an alkyl group, a cycloalkyl group, an aromatic hydrocarbon group, an aralkyl group or an alkylsilyloxy group.

Claim 44 (Previously Presented): The antifouling paint composition as claimed in claim 43, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer obtained by copolymerizing silyl (meth)acrylate and an unsaturated monomer copolymerizable with the silyl (meth)acrylate.

Claim 45 (Previously Presented): An antifouling coating film prepared from the antifouling paint composition of claim 29.

Claim 46 (Previously Presented): A ship or an underwater structure coated with a coating film prepared from the antifouling paint composition of claim 29.

Claim 47 (Previously Presented): A fishing tackle or a fishing net coated with a coating film prepared from the antifouling paint composition of claim 29.

Claim 48 (Previously Presented): A method of coating a ship or an underwater structure, comprising coating a surface of a ship or an underwater structure with a coating film comprising the antifouling paint composition of claim 29.

Claim 49 (Previously Presented): A method of coating a fishing tackle or a fishing net, comprising coating a surface of a fishing tackle or a fishing net with a coating film comprising the antifouling paint composition of claim 29.

Claim 50 (Previously Presented): The antifouling paint composition as claimed in claim 31, wherein an organic antifouling agent is contained as the antifouling agent (C).

Claim 51 (Previously Presented): The antifouling paint composition as claimed in claim 44, wherein the copolymer (B) for a self-polishing antifouling paint is a copolymer obtained by copolymerizing silyl (meth)acrylate and an unsaturated monomer copolymerizable with the silyl (meth)acrylate.